

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A projector, comprising:

a light source to emit light;

a spatial light modulator to modulate the light from the light source in

accordance with an image signal;

a projector lens to project the light modulated by the spatial light modulator, the spatial light modulator being a tilt mirror device including a plurality of movable mirror elements reflecting the light from the light source in a direction of the projector lens or in a direction other than that of ~~a~~the projector lens;

a light-intensity measuring section provided in an imaging position of the light source or in the vicinity of the imaging position to measure the light intensity of the light reflected in the direction other than that of the projector lens; and

a light-source controller to control the light source in accordance with a signal from the light-intensity measuring section.

2. (Previously Presented) The projector according to claim 1,

the light source including a plurality of solid-state light-emitting elements;

the light-intensity measuring section including a plurality of light-intensity measuring elements corresponding to the plurality of solid-state light-emitting elements; and

the light-source controller controlling each of the plurality of solid-state light-emitting elements.

3. (Previously Presented) The projector according to claim 1, further comprising:
an operation unit to perform a specified calculation based on the signal from
the light-intensity measuring section and outputting the calculation to the light-source
controller.
4. (Previously Presented) The projector according to claim 3, the operation unit
performing the specified calculation using the number of the movable mirror elements
reflecting the light from the light source in the direction other than that of the projector lens.
5. (Previously Presented) The projector according to claim 2,
the light source including a first light source to emit light in a first wavelength
range and a second light source to emit light in a second wavelength range different from the
first wavelength range;
the first light source and the second light source being arranged in
approximately symmetrical positions with respect to the projector lens; and
the light-intensity measuring section includes a first light-intensity measuring
section and a second light-intensity measuring section,
the first light-intensity measuring section being arranged in the vicinity of the
second light source and out of the light from the first light source and measuring the light
intensity of the light reflected in the direction other than that of the projector lens; and
the second light-intensity measuring section being arranged in the vicinity of
the first light source and out of the light from the second light source and measuring the light
intensity of the light reflected in the direction other than that of the projector lens.

6. (Previously Presented) The projector according to claim 5,
the first light-intensity measuring section and the second light source being
formed on an identical substrate, the first light-intensity measuring section being arranged
among the plurality of solid-state light-emitting elements of the second light source; and

the second light-intensity measuring section and the first light source being formed on an identical substrate, the second light-intensity measuring section being arranged among the plurality of solid-state light-emitting elements of the first light source.

7. (Previously Presented) The projector according to claim 5,

the first light-intensity measuring section and the second light source being formed on an identical substrate, the first light-intensity measuring section being arranged in a region different from the second light source; and

the second light-intensity measuring section and the first light source being formed on an identical substrate, the second light-intensity measuring section being arranged in a region different from the first light source.

8. (Previously Presented) A projector, comprising:

a light source to emit light

a spatial light modulator to modulate the light from the light source in

accordance with an image signal

a projector lens to project the light modulated by the spatial light modulator;

and

a light-source controller,

the spatial light modulator being a tilt mirror device including a plurality of movable mirror elements reflecting the light from the light source in a direction of the projector lens or in a direction other than that of the projector lens:

the light source including a first light source to emit light in a first wavelength range and a second light source to emit light in a second wavelength range different from the first wavelength range, the first light source and the second light source being arranged in approximately symmetrical positions with respect to a projector lens, the first light source receiving the light from the second light source to measure the light intensity

of the second light source, the second light source receiving the light from the first light source to measure the light intensity of the first light source; and

the light-source controller controls the light source on the basis of the measured light intensity.

9. (Currently Amended) An optical device, comprising:

a light source to emit light;

a spatial light modulator to modulate the light from the light source in accordance with an image signal; and

an imaging lens to image the light modulated by the spatial light modulator onto a specified surface, the spatial light modulator being a tilt mirror device including a plurality of movable mirror elements reflecting the light from the light source in the direction of an imaging lens or in the direction other than that of the imaging lens, a light-intensity measuring section provided in an imaging position of the light source or in the vicinity of the imaging position to measure the light intensity of the light reflected in the direction other than that of the ~~projector~~ imaging lens, and a light-source controller to control the light source in accordance with a signal from the light-intensity measuring section.